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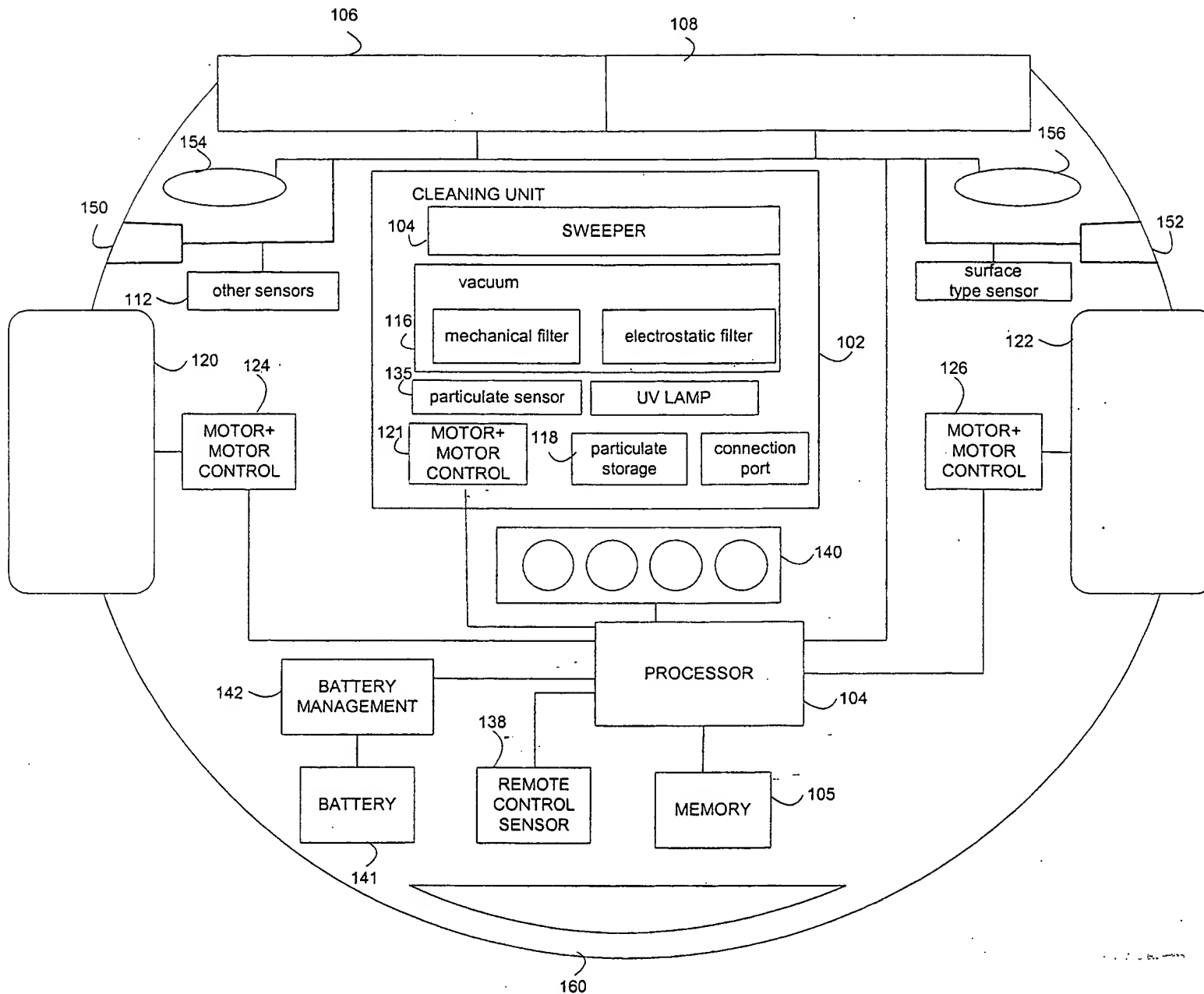


FIGURE 1A

Title: Robotic Vacuum with Localized Cleaning Algorithm
Docket No.: SHPR-01360USc
Appl. No.: To be assigned
Confirm No.: To be assigned
Filed: Herewith

Inventor(s): Parker
Attorney: Joseph P. O'Malley
Phone: (415) 362-3800
Express Mail No: EV 375096185 US

Sheet 1 of 15

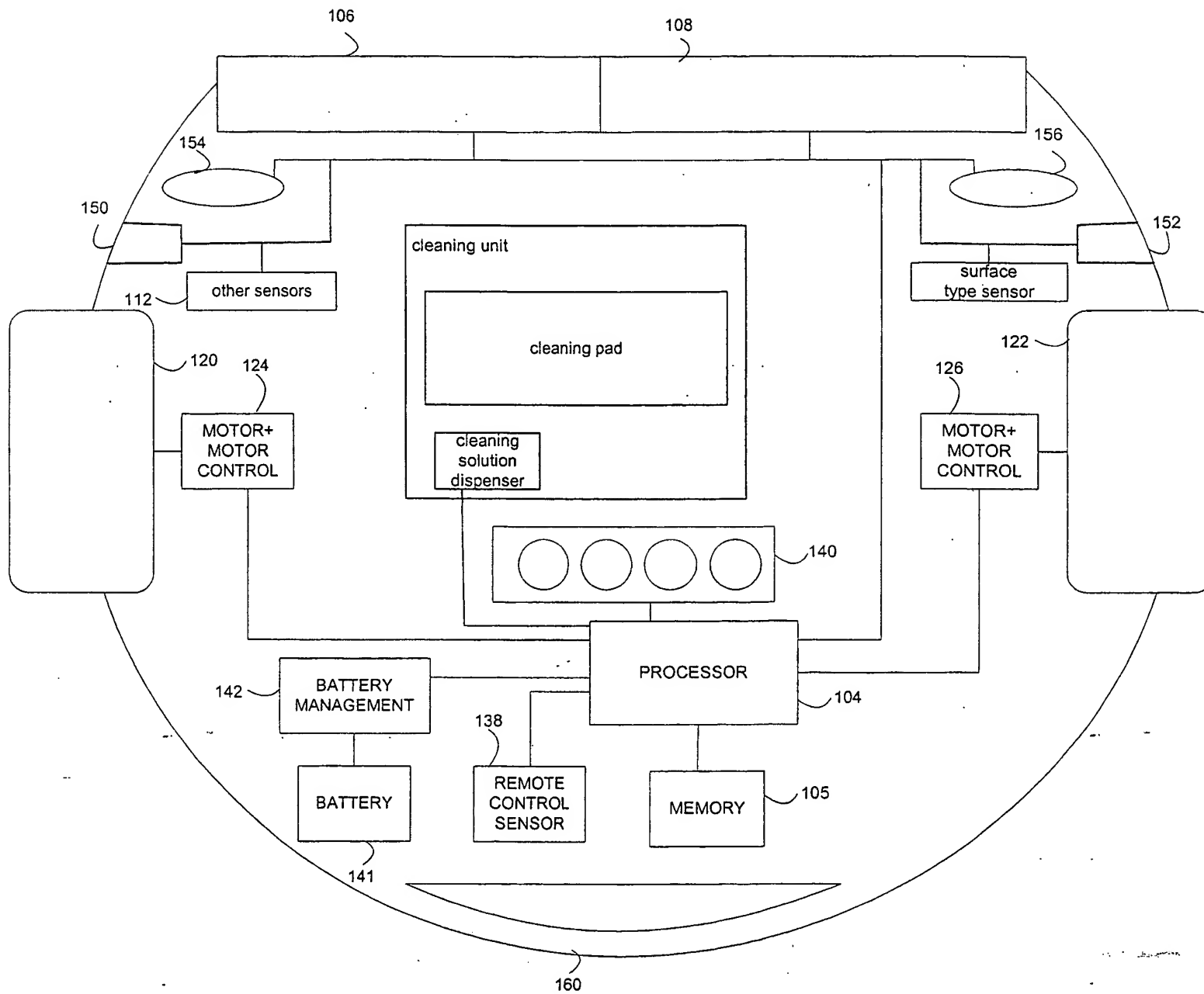


FIGURE 1B

Title: Robotic Vacuum with Localized Cleaning Algorithm
Docket No.: SHPR-01360USC
Appl. No.: To be assigned
Confirm No.: To be assigned
Filed: Herewith

Inventor(s): Parker
Attorney: Joseph P. O'Malley
Phone: (415) 362-3800
Express Mail No: EV 3750961 ⁴⁷ 5 US

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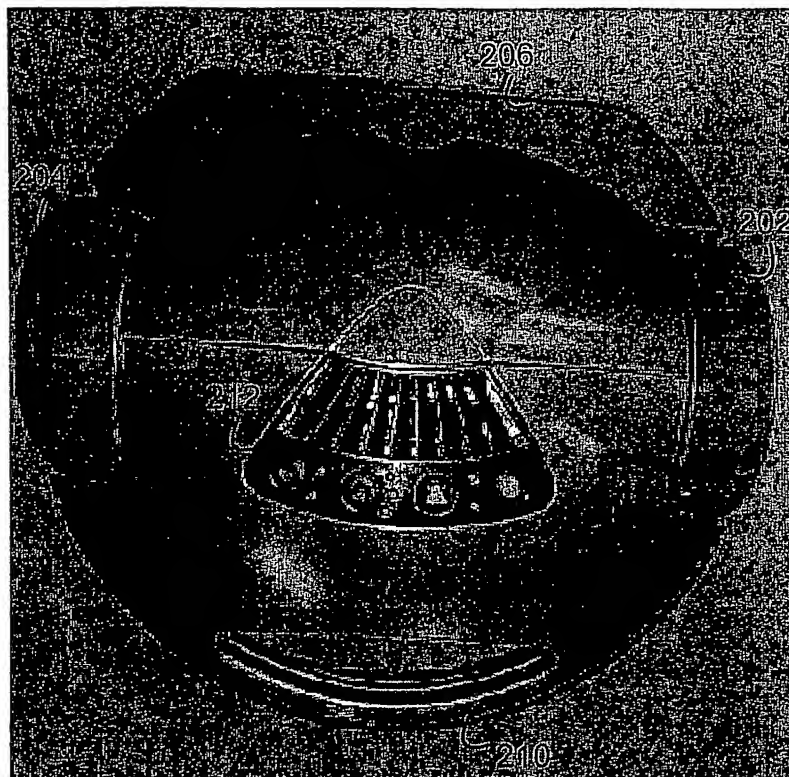


FIGURE 2A

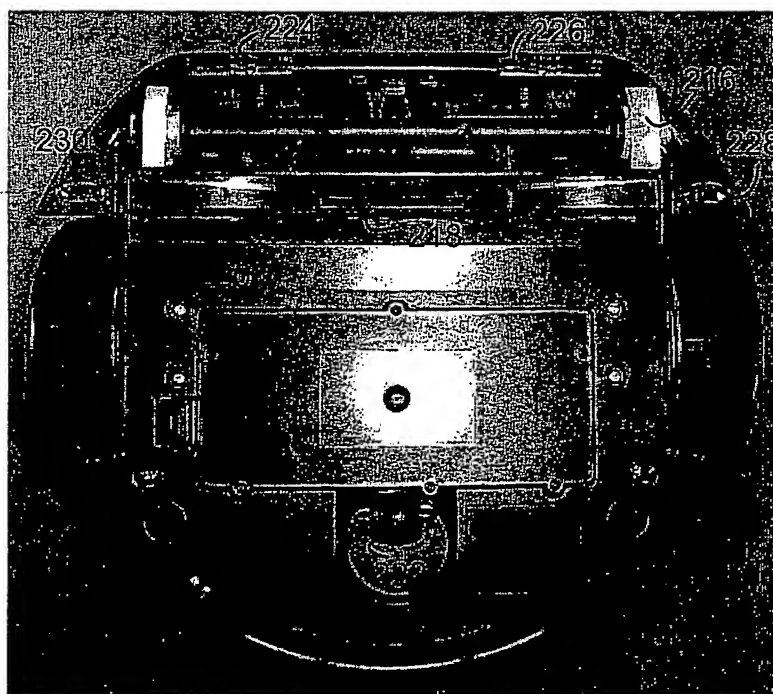


FIGURE 2B

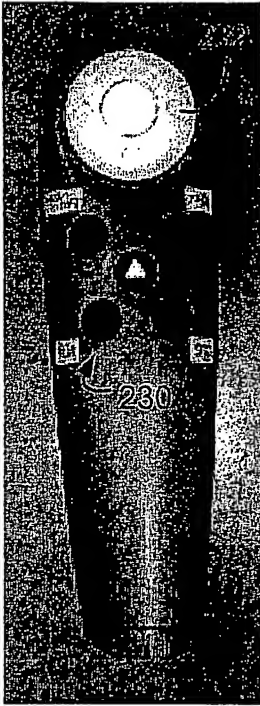


FIGURE 2F



FIGURE 2C



FIGURE 2D

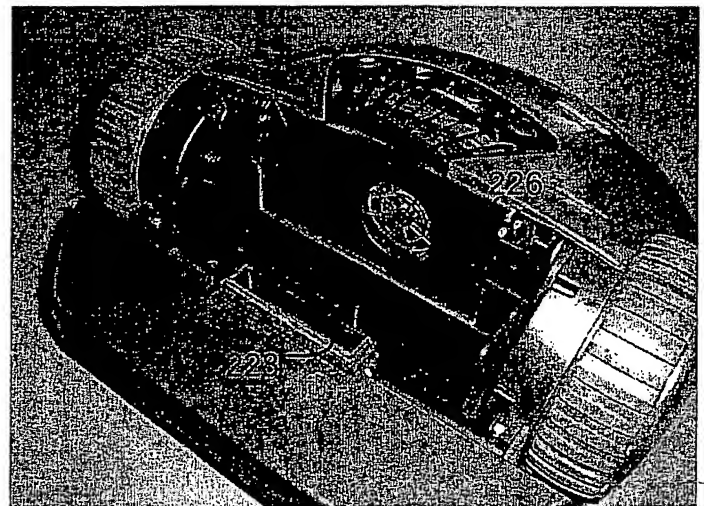


FIGURE 2E

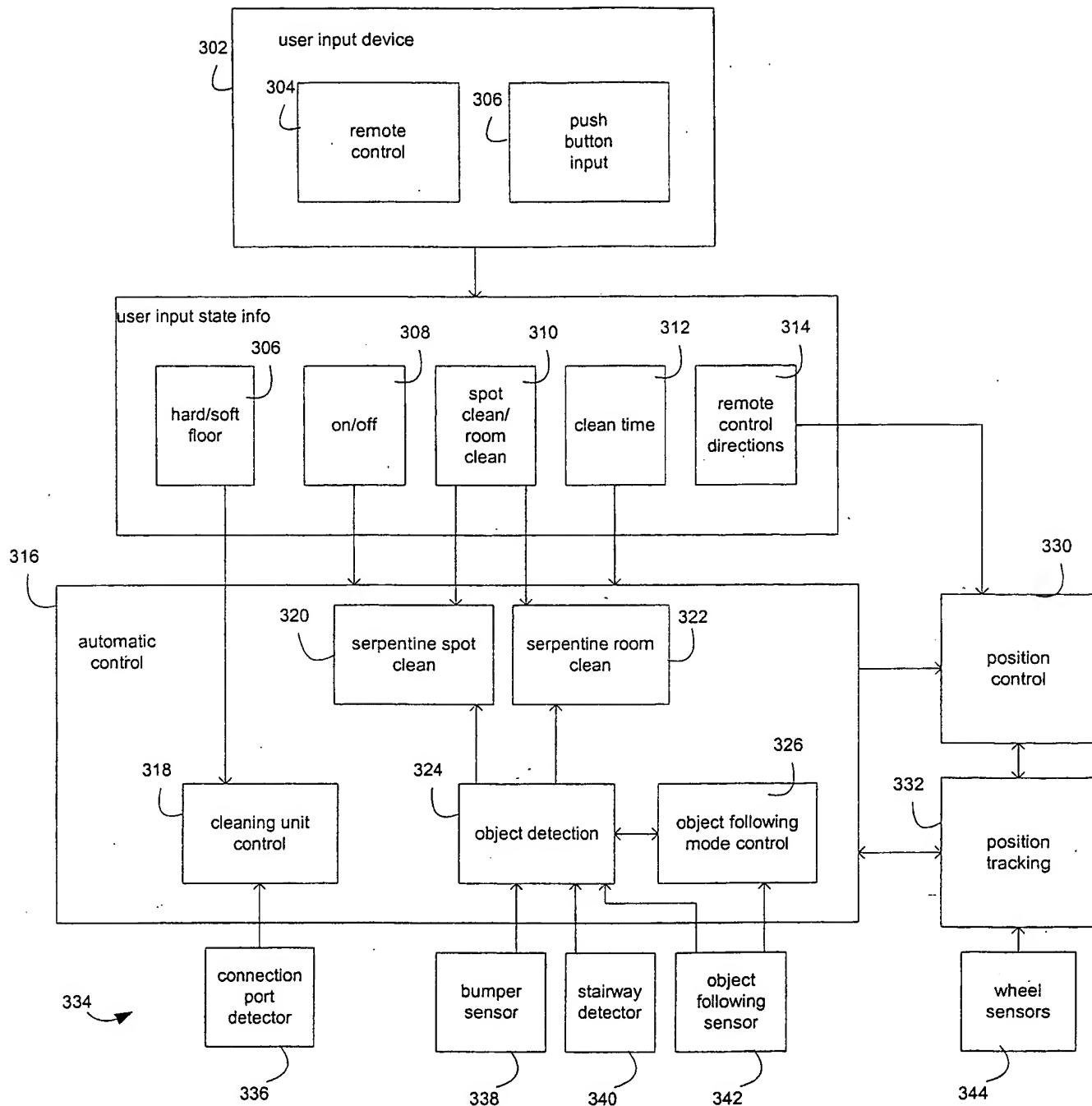


FIGURE 3

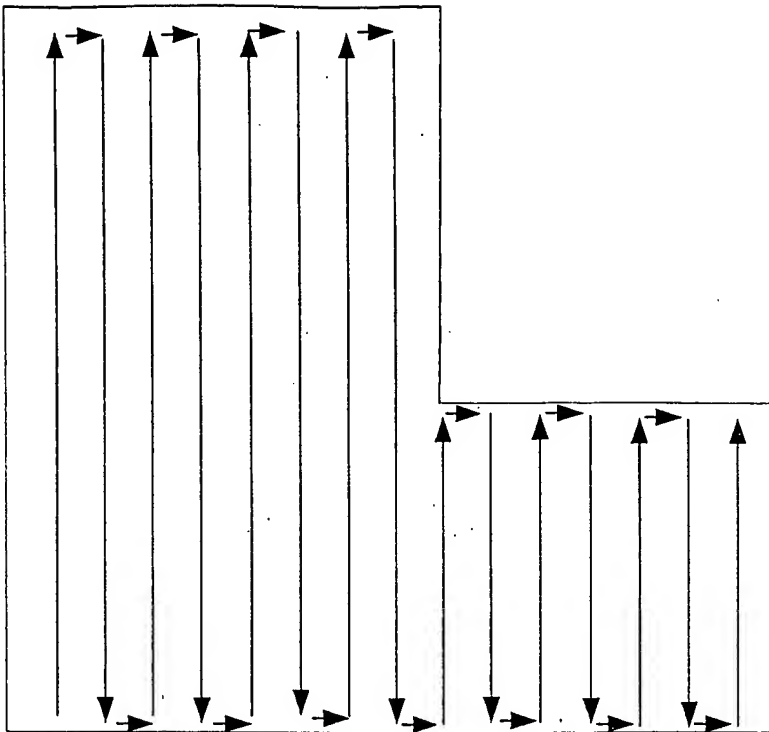


FIGURE 4

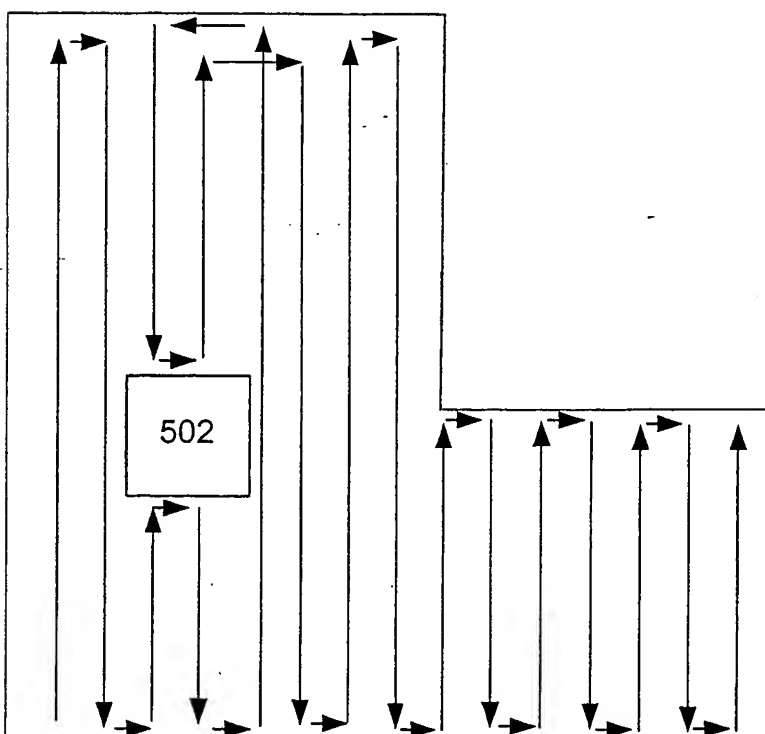


FIGURE 5

Title: Robotic Vacuum with Localized Cleaning Algorithm

Docket No.: SHPR-01360USc

Appl. No.: To be assigned

Confirm No.: To be assigned

Filed: Herewith

Inventor(s): Parker

Attorney: Joseph P. O'Malley

Phone: (415) 362-3800

Express Mail No: EV 375096153 US

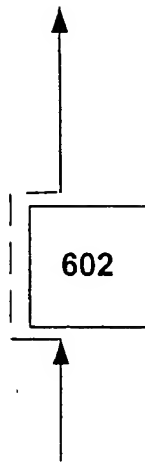


FIGURE 6

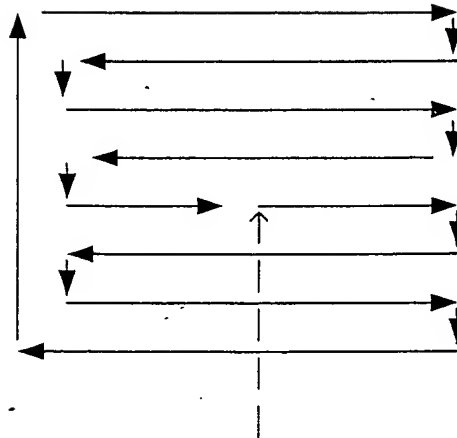


FIGURE 7

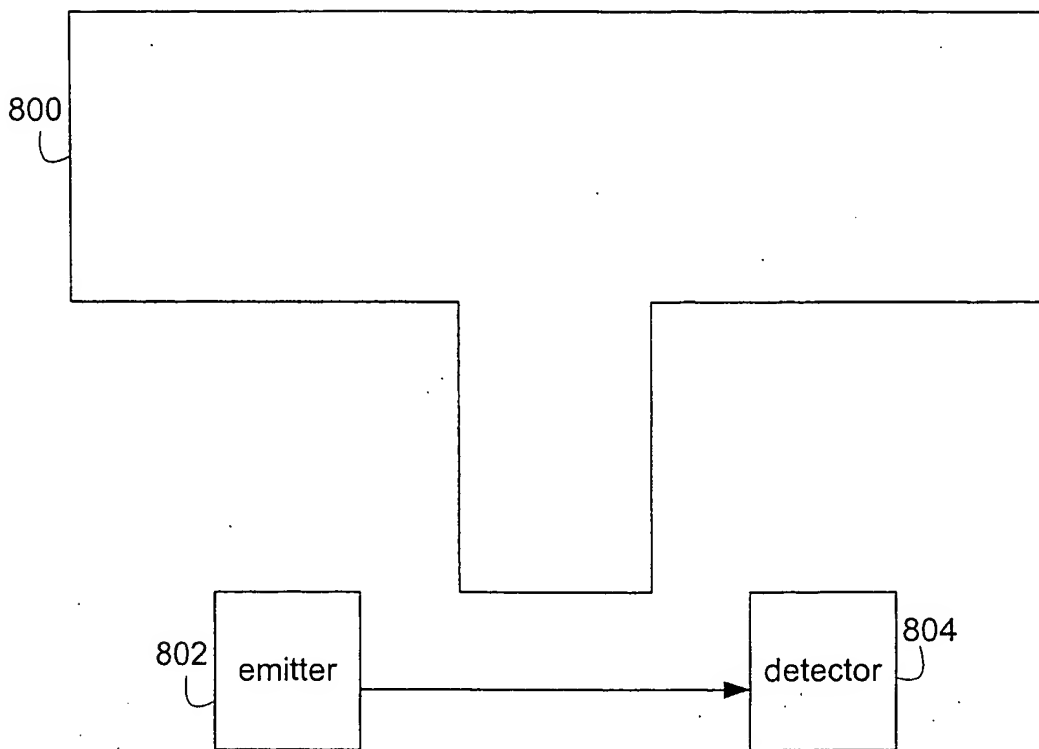


FIGURE 8A

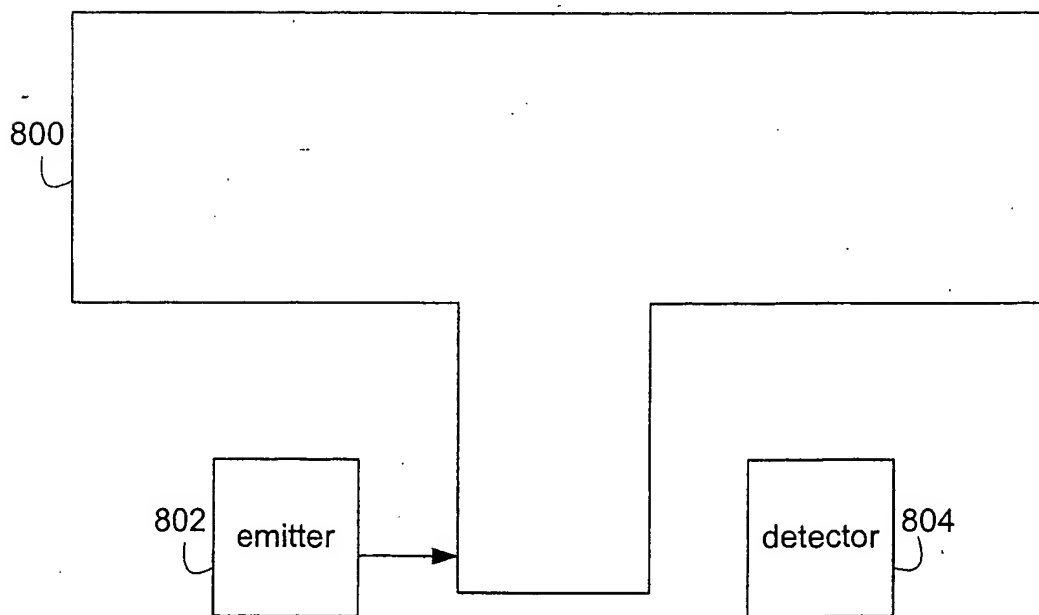


FIGURE 8E

Title: Robotic Vacuum with Localized Cleaning Algorithm
Docket No.: SHPR-01360USc
Appl. No.: To be assigned
Confirm No.: To be assigned
Filed: Herewith
Inventor(s): Parker
Attorney: Joseph P. O'Malley
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Express Mail No: EV 375096155 US
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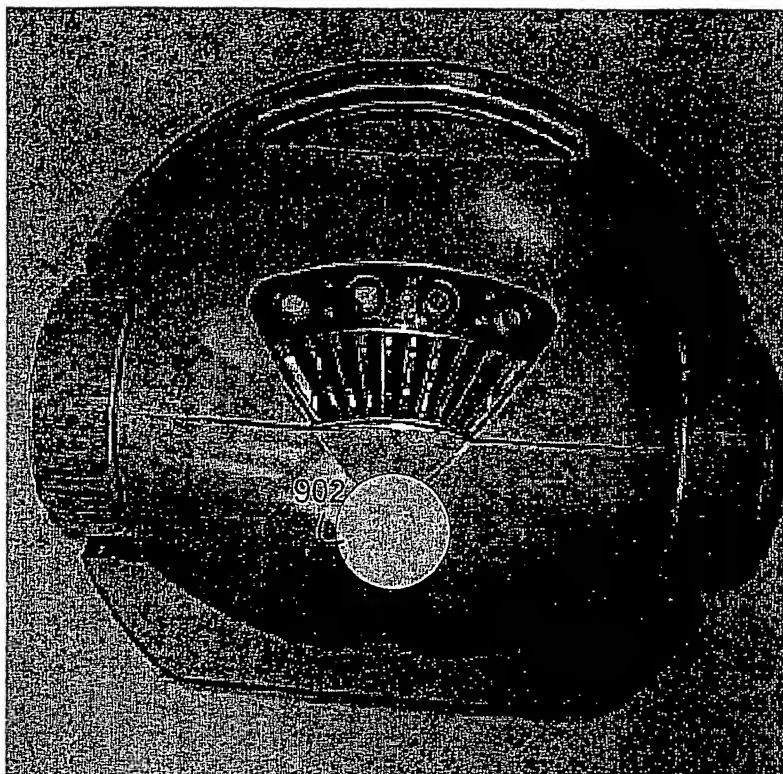


FIGURE 9A

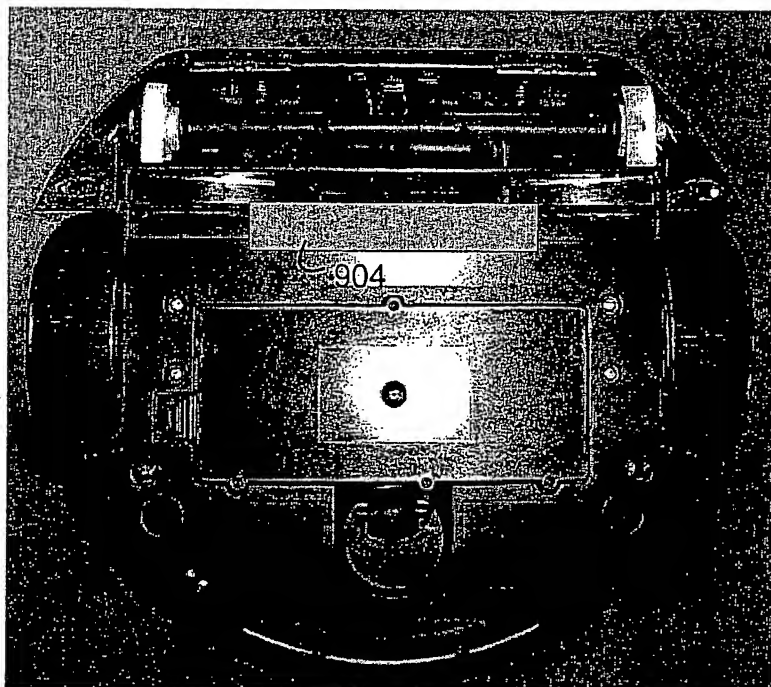


FIGURE 9B

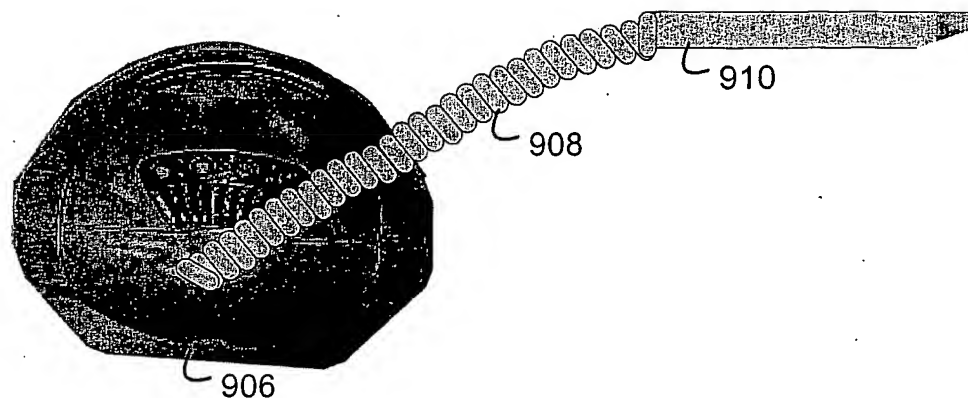


FIGURE 9C

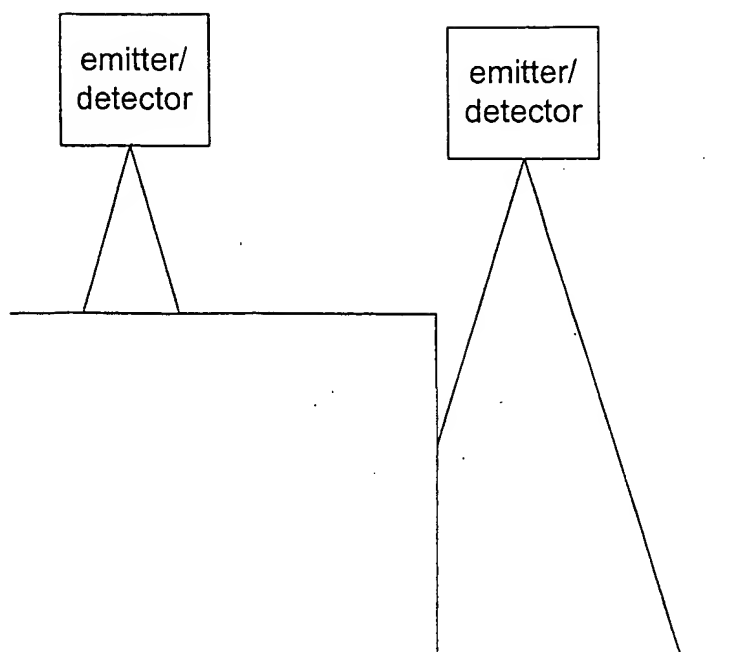


FIGURE 10A

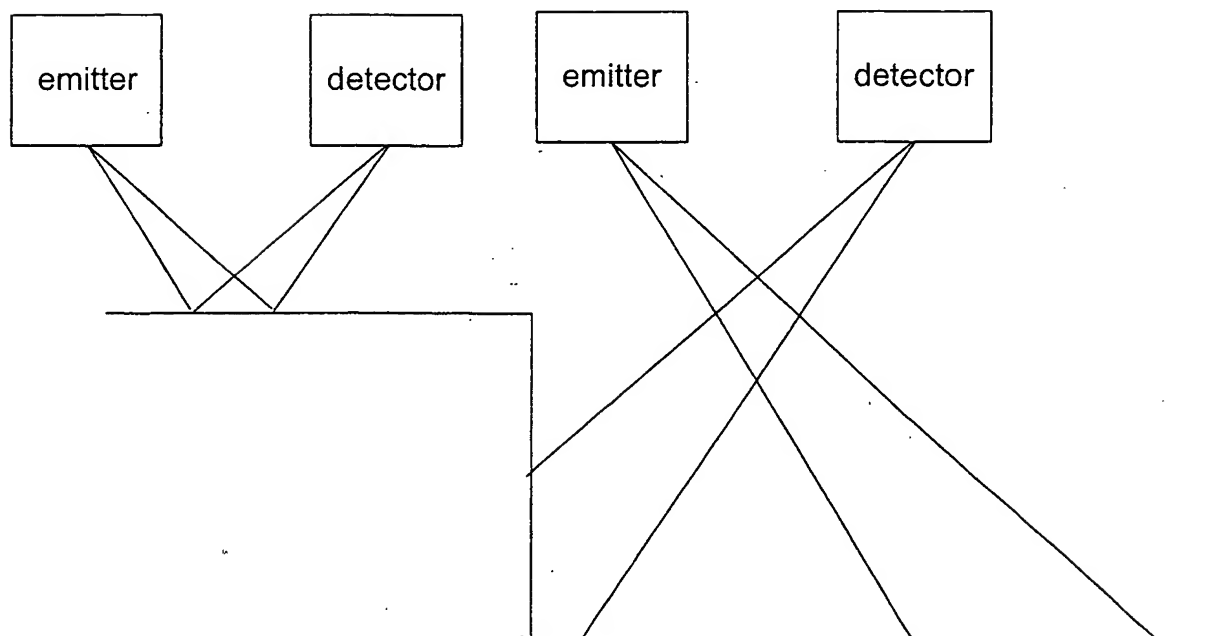


FIGURE 10B

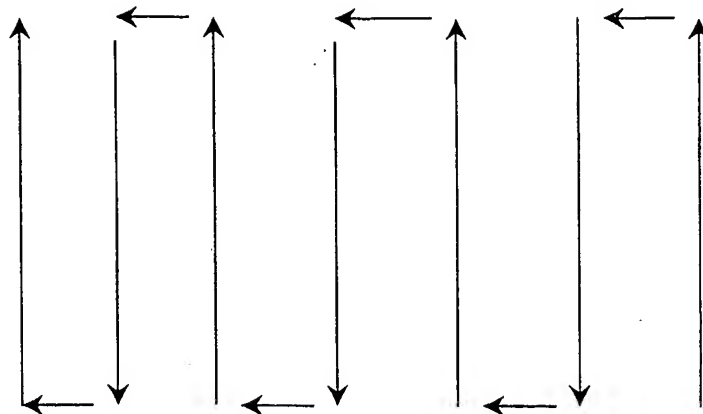


FIGURE 11A

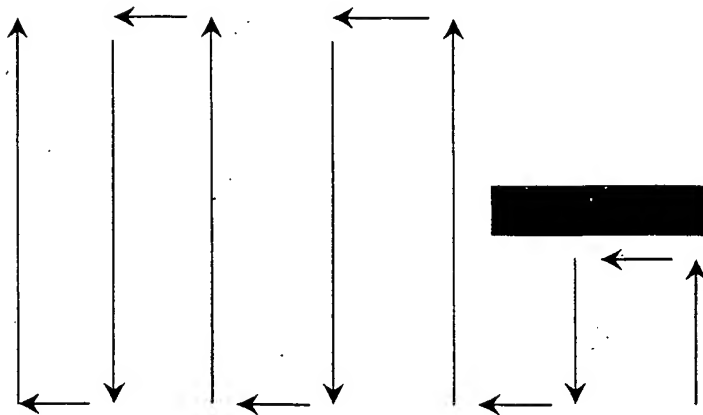


FIGURE 11B

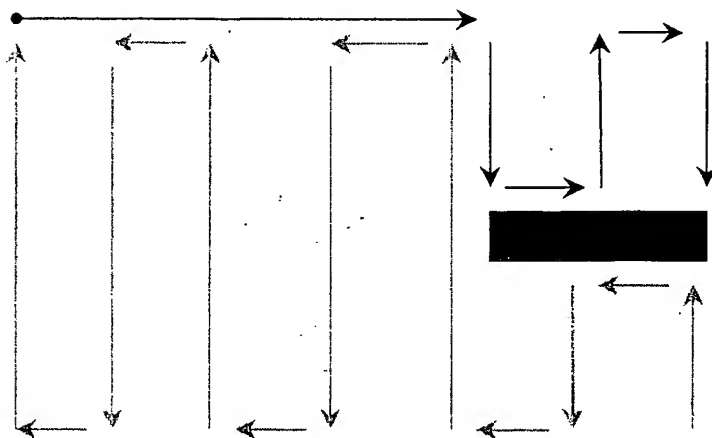


FIGURE 11C

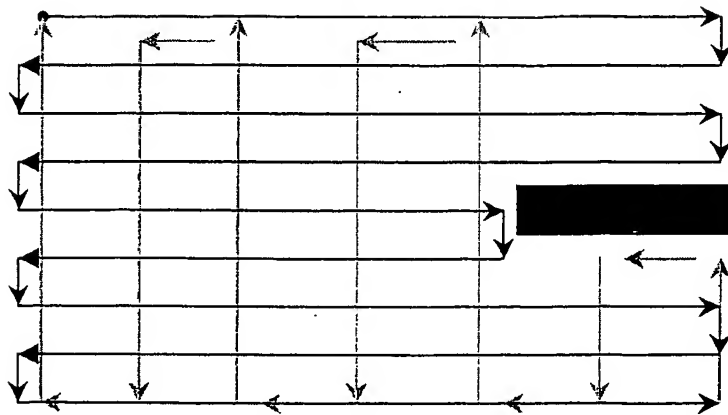


FIGURE 11D

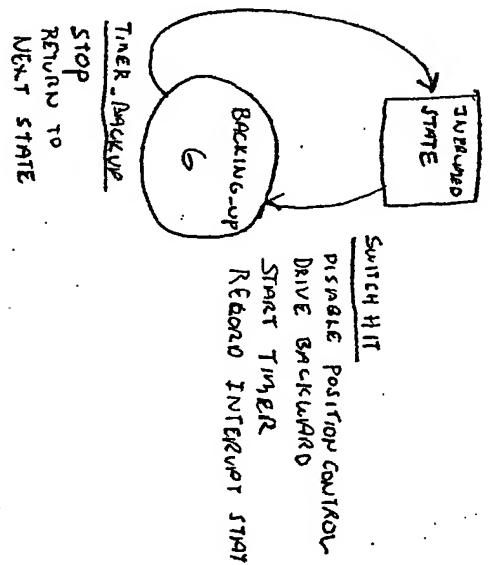


FIGURE 12A

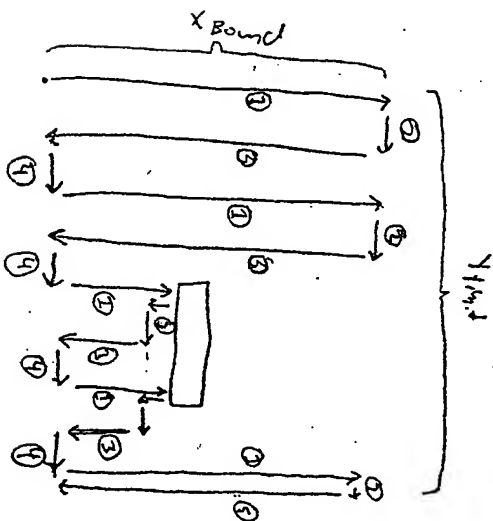


FIGURE 13

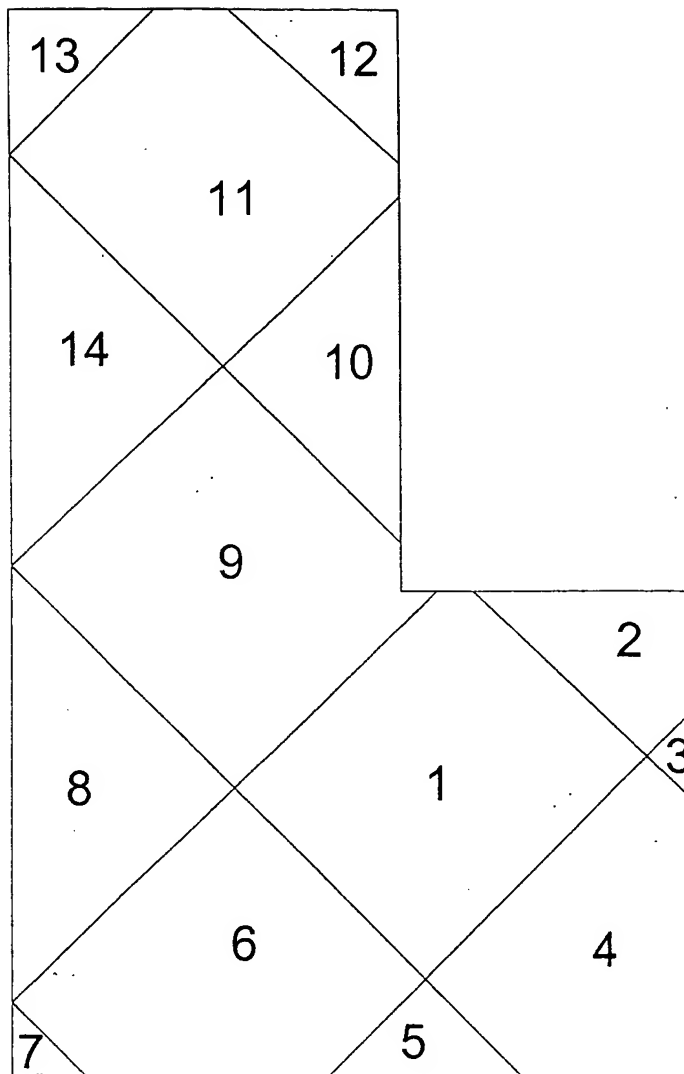


FIGURE 14

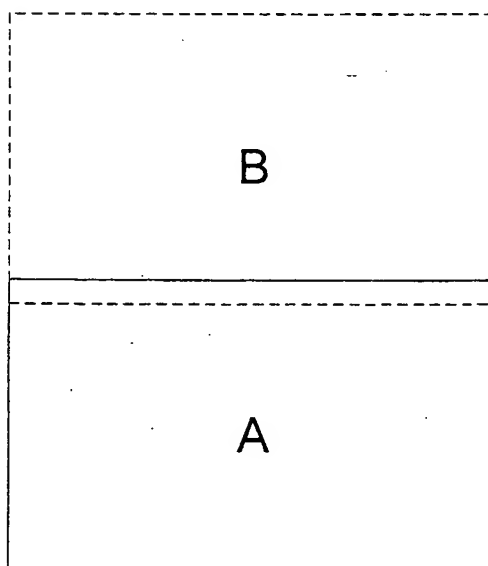


FIGURE 15

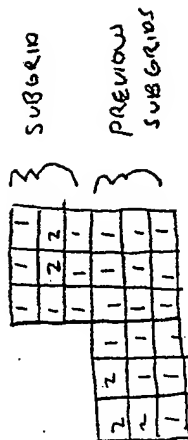
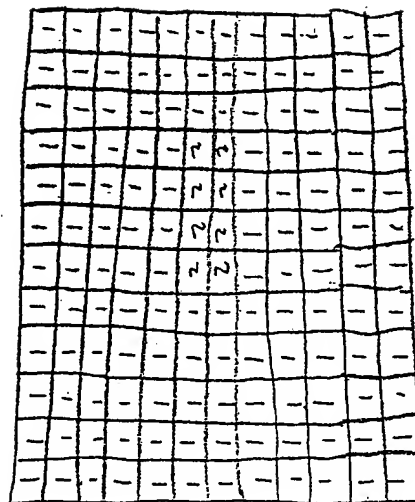


FIGURE 16B



SUBGRID
MAP
FIGURE 16A